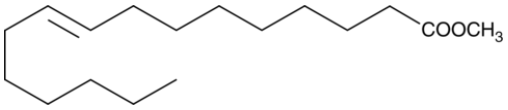
Product Data Sheet

Product Name: Palmitelaidic Acid methyl ester
Cat. No.: GC41580

Chemical Properties

Cas. No.	10030-74-7		
SMILES	CCCCCC/C=C/CCCCCCCC(OC)=O		
Formula	C17H32O2	M.Wt	268.4
Solubility	DMF: 30 mg/ml,DMSO: 30 mg/ml,Ethanol: 100 mg/ml	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

Palmitoleic acid is a common constituent of the triglycerides of human adipose tissue. Palmitoleic acid-based diets raise low-density lipoprotein cholesterol and diminish high-density lipoprotein cholesterol, even when dietary intake of cholesterol is maintained at a low level. Palmitelaidic acid is the trans isomer of the 16:1 fatty acid palmitoleic acid. While its effects on cholesterol levels are poorly studied, palmitelaidic acid can have very different effects from those of palmitoleic acid on lipid metabolism and mobilization. Palmitelaidic acid methyl ester is an ester version of the free acid which may be more amenable for the formulation of fatty acid-containing diets and dietary supplements.

Caution: Product has not been fully validated for medical applications. For research use only.
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